

FIG. 1

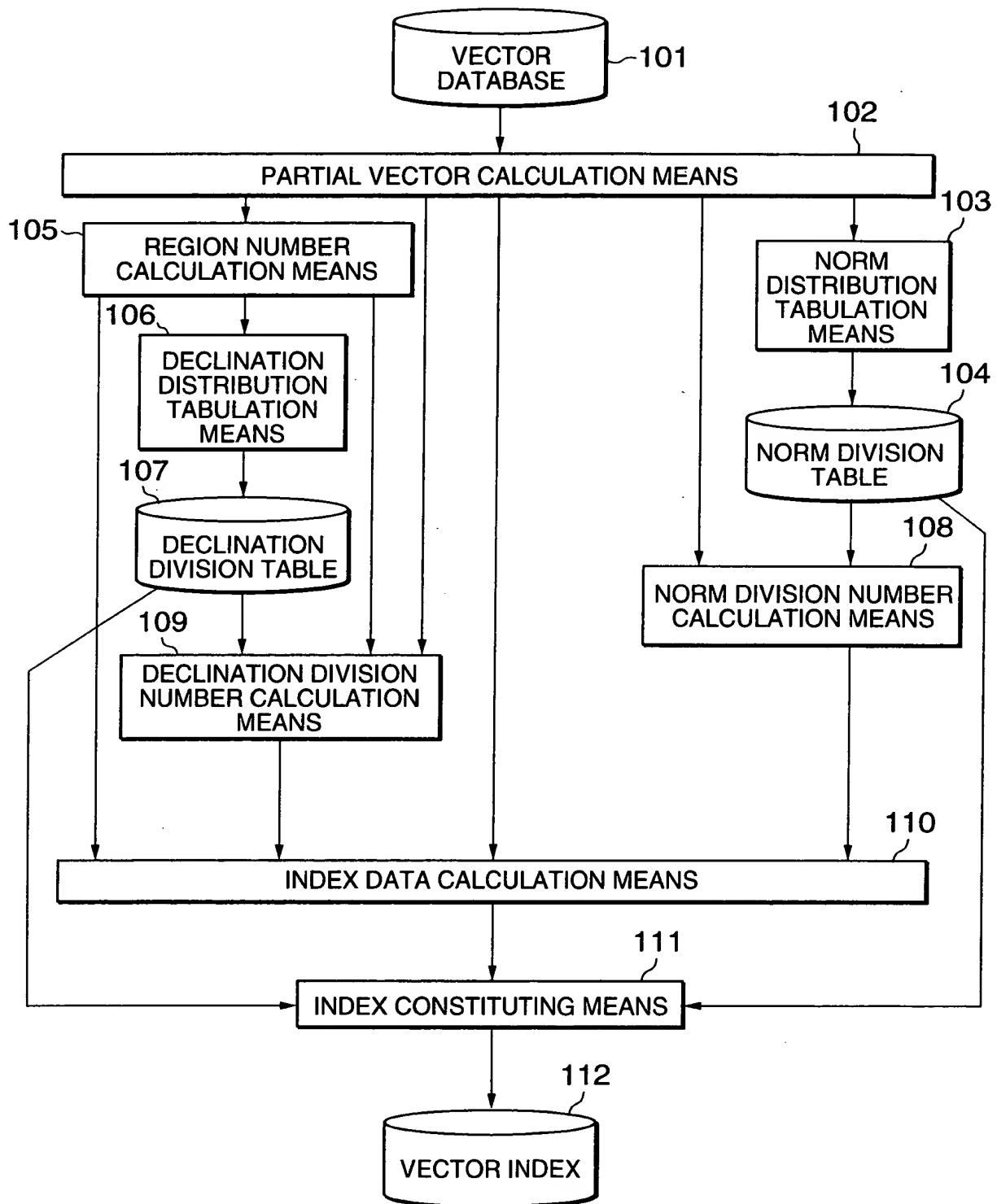


FIG.2

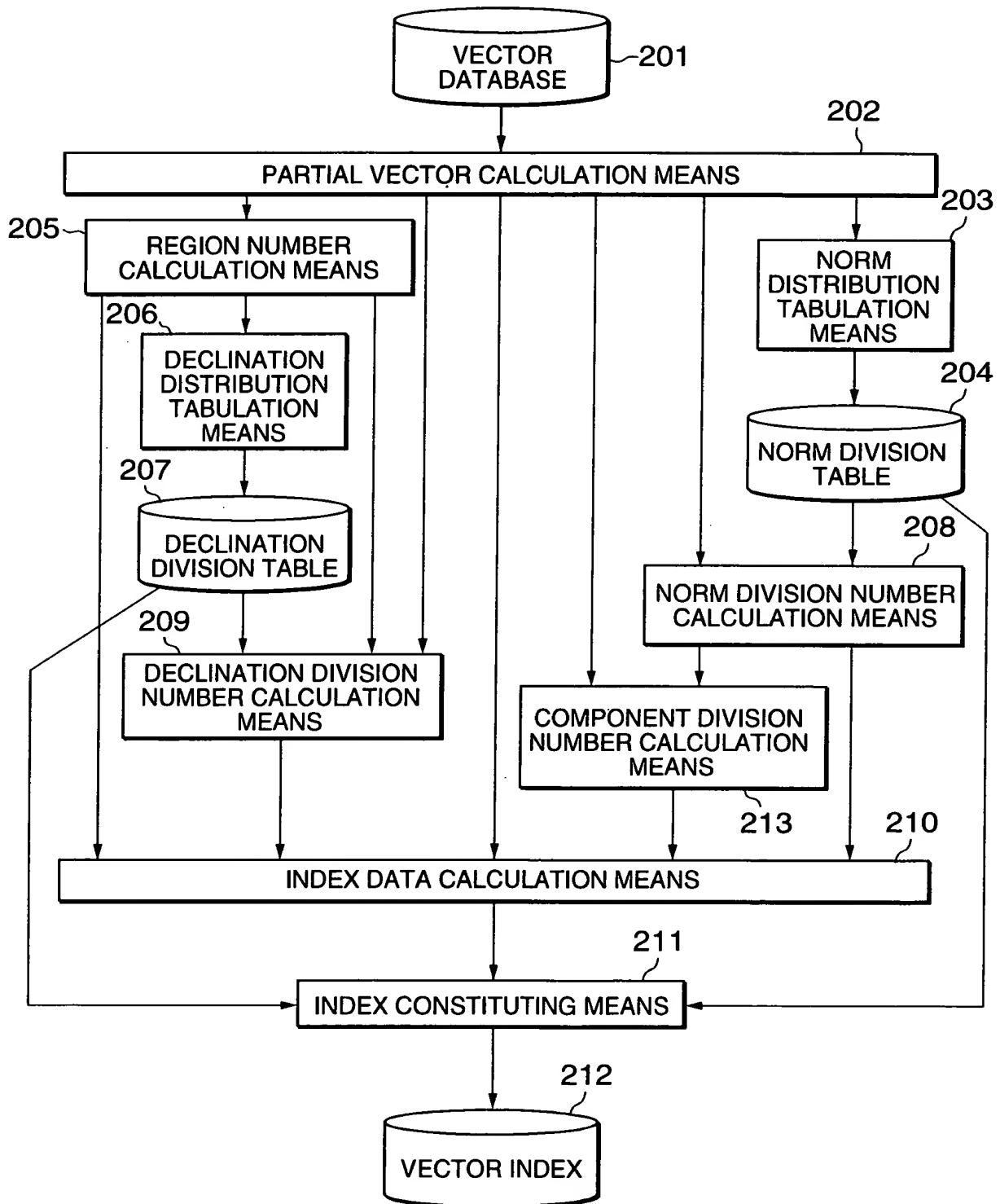


FIG.3

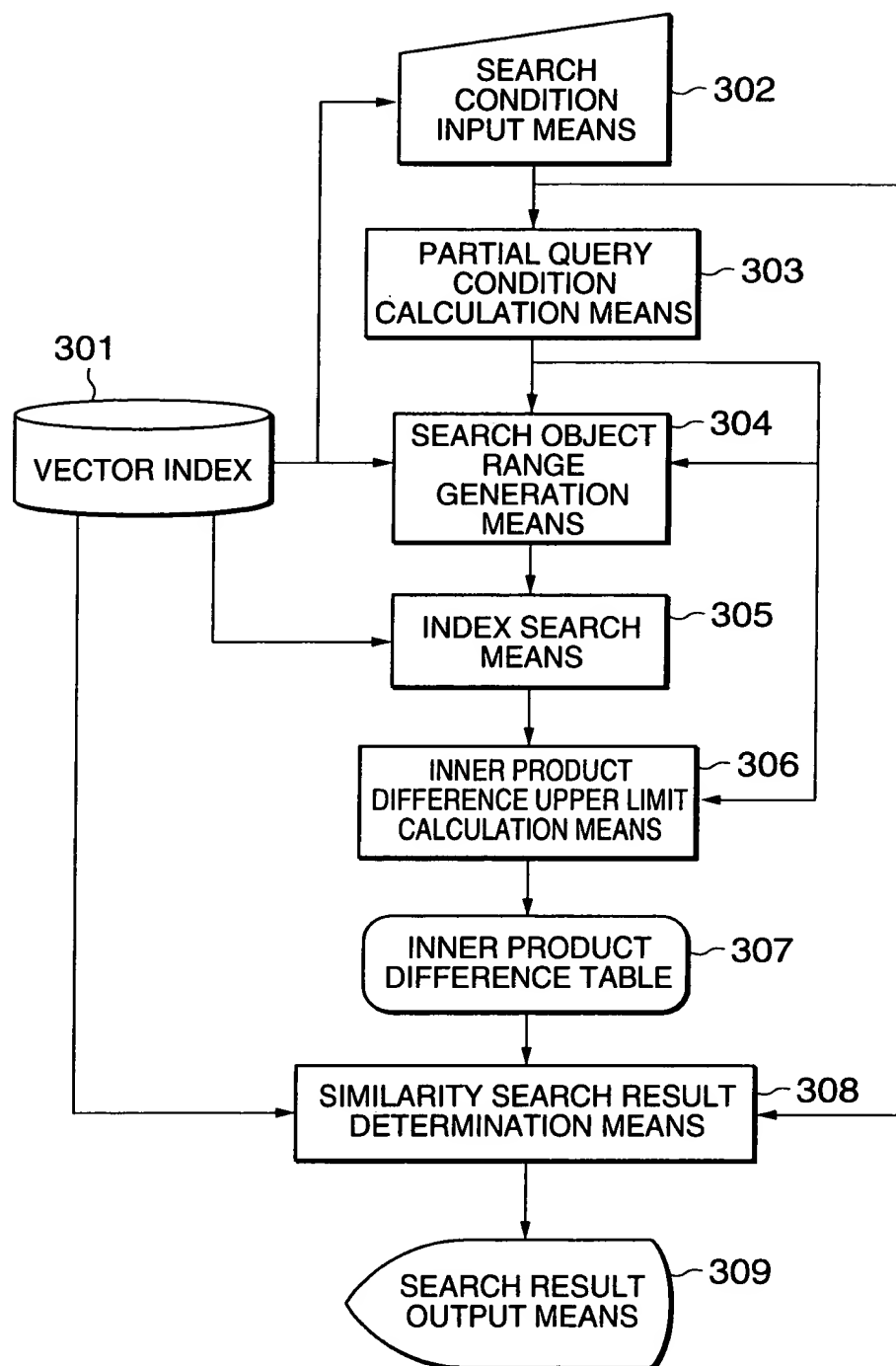


FIG.4

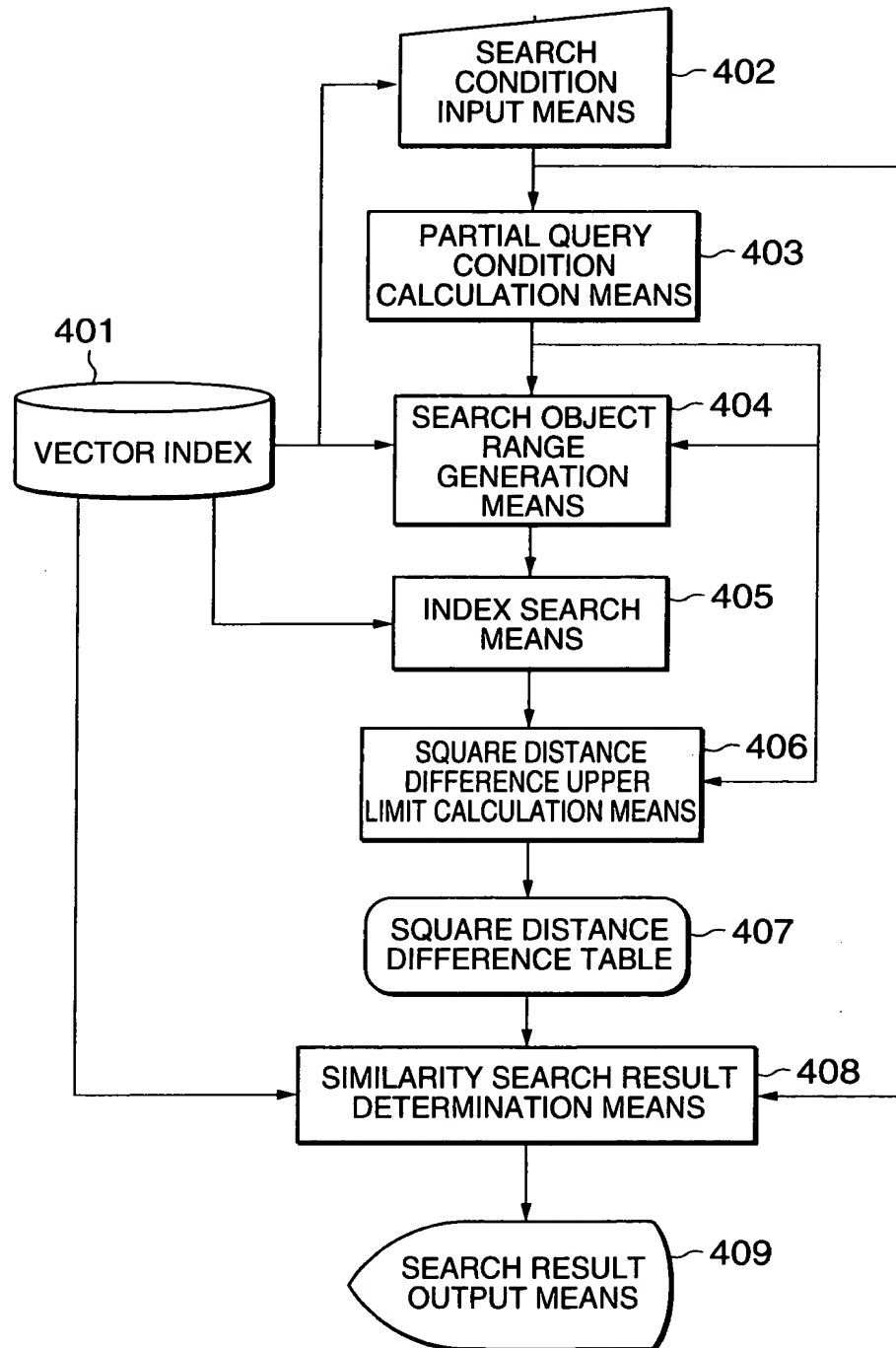


FIG.5A

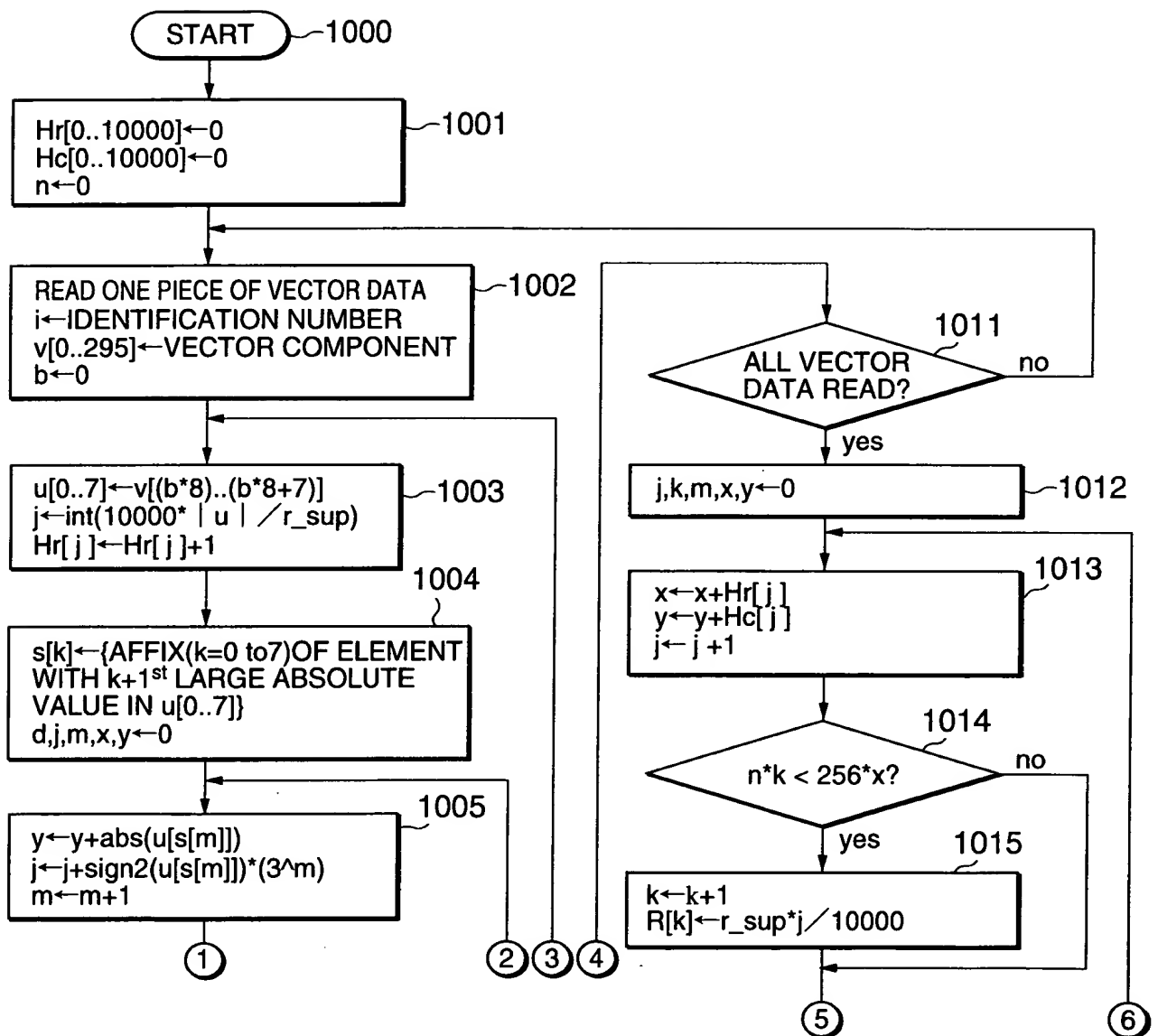


FIG.5B

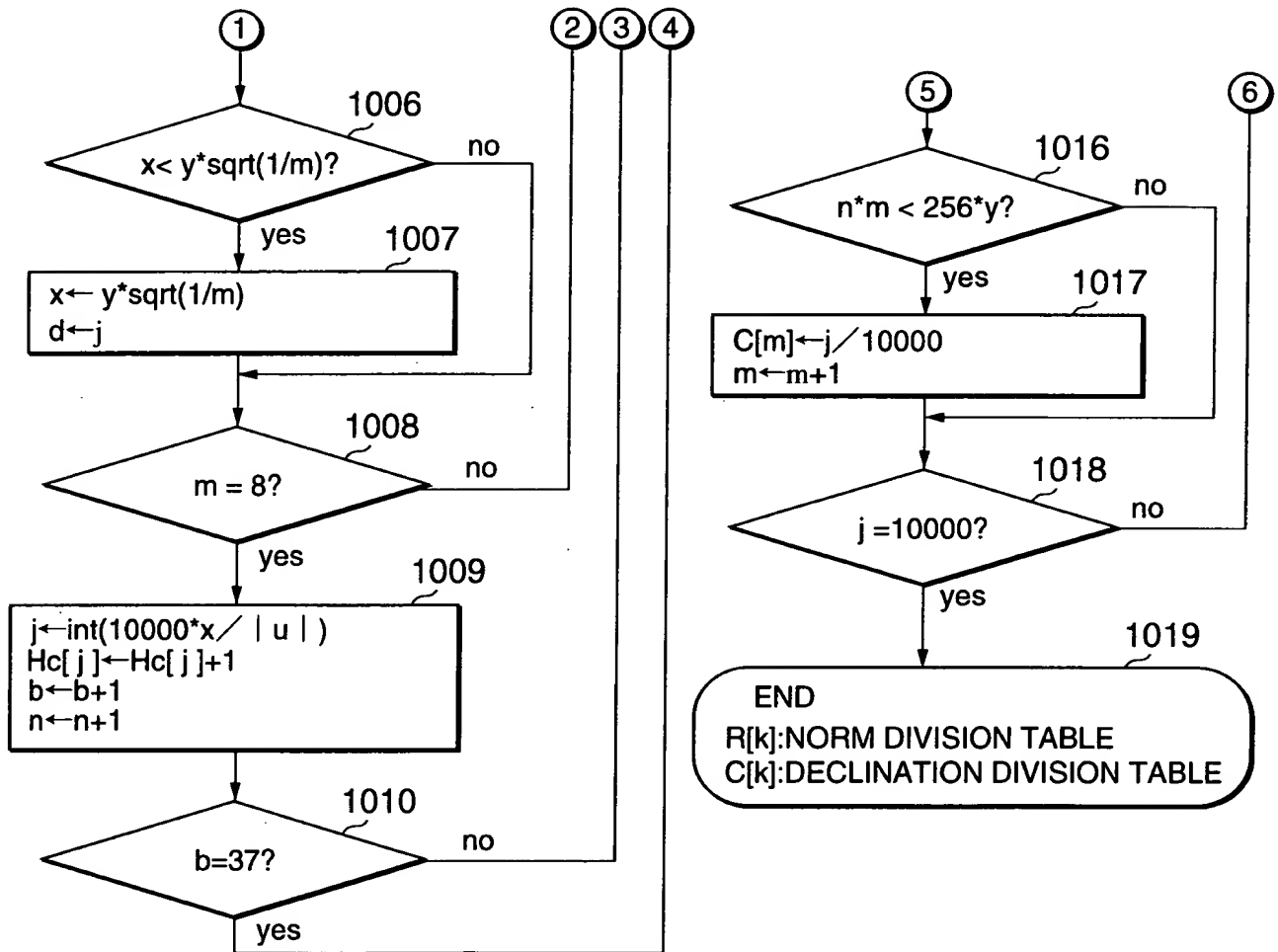


FIG.6A

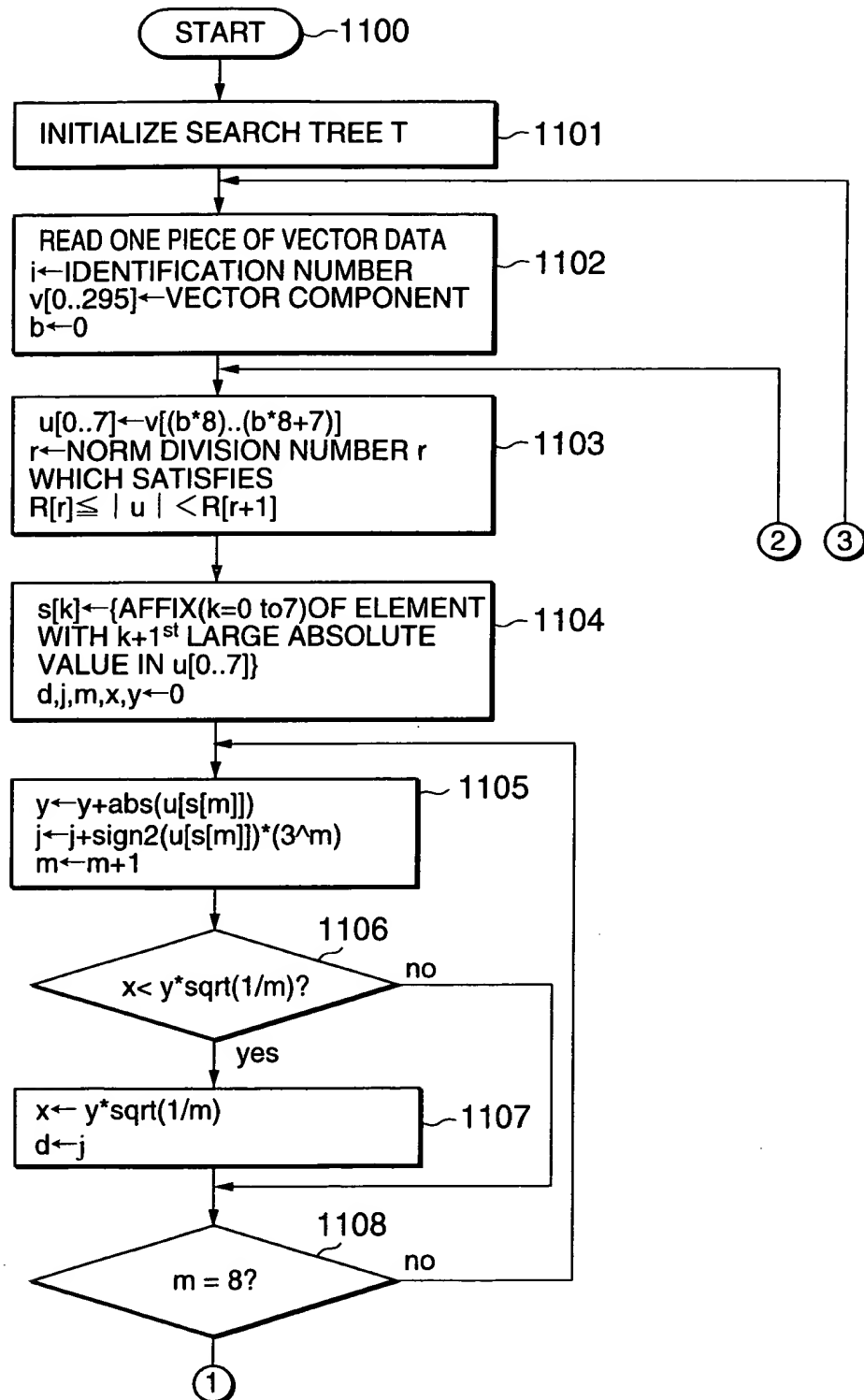


FIG.6B

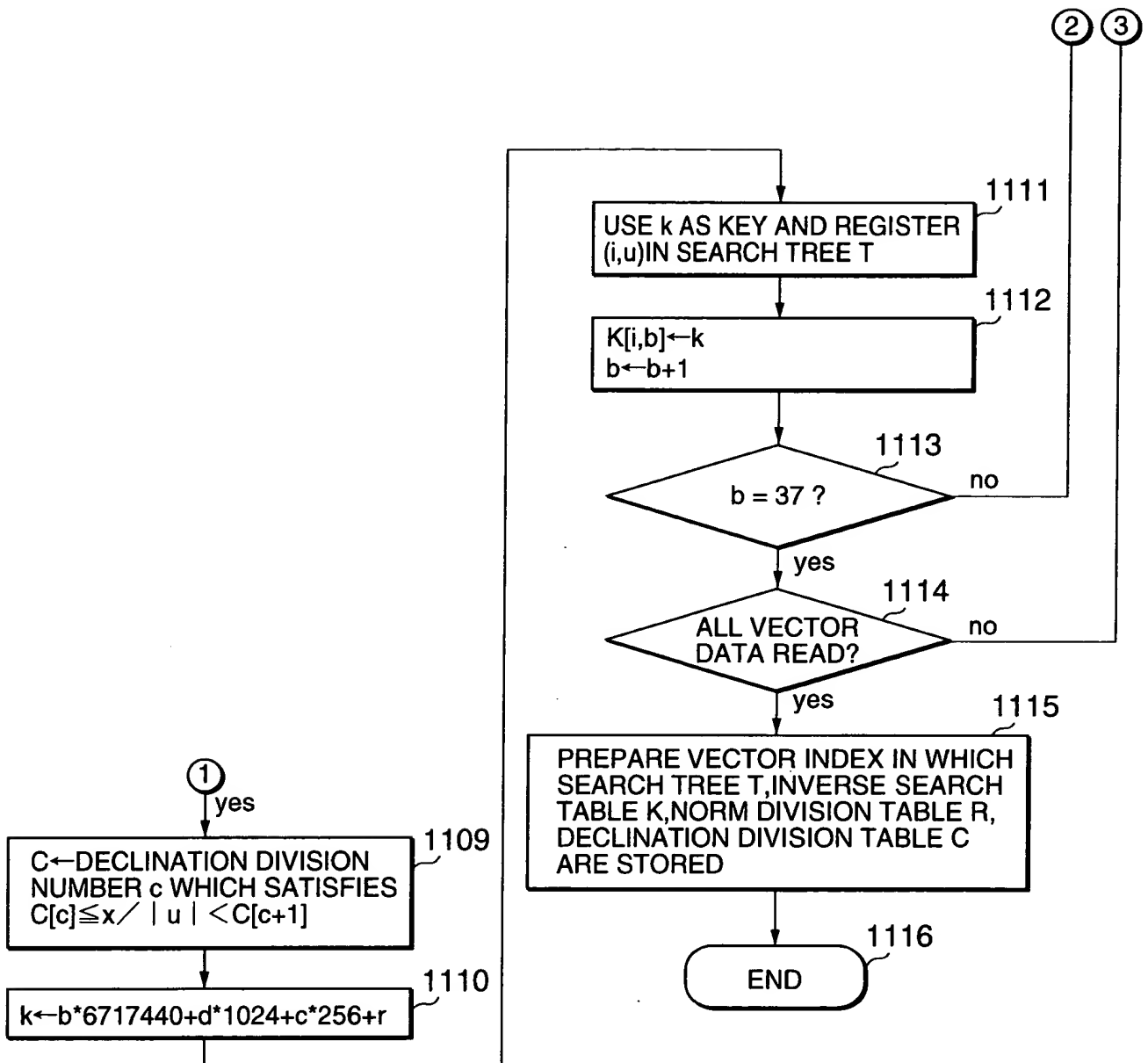


FIG.7A

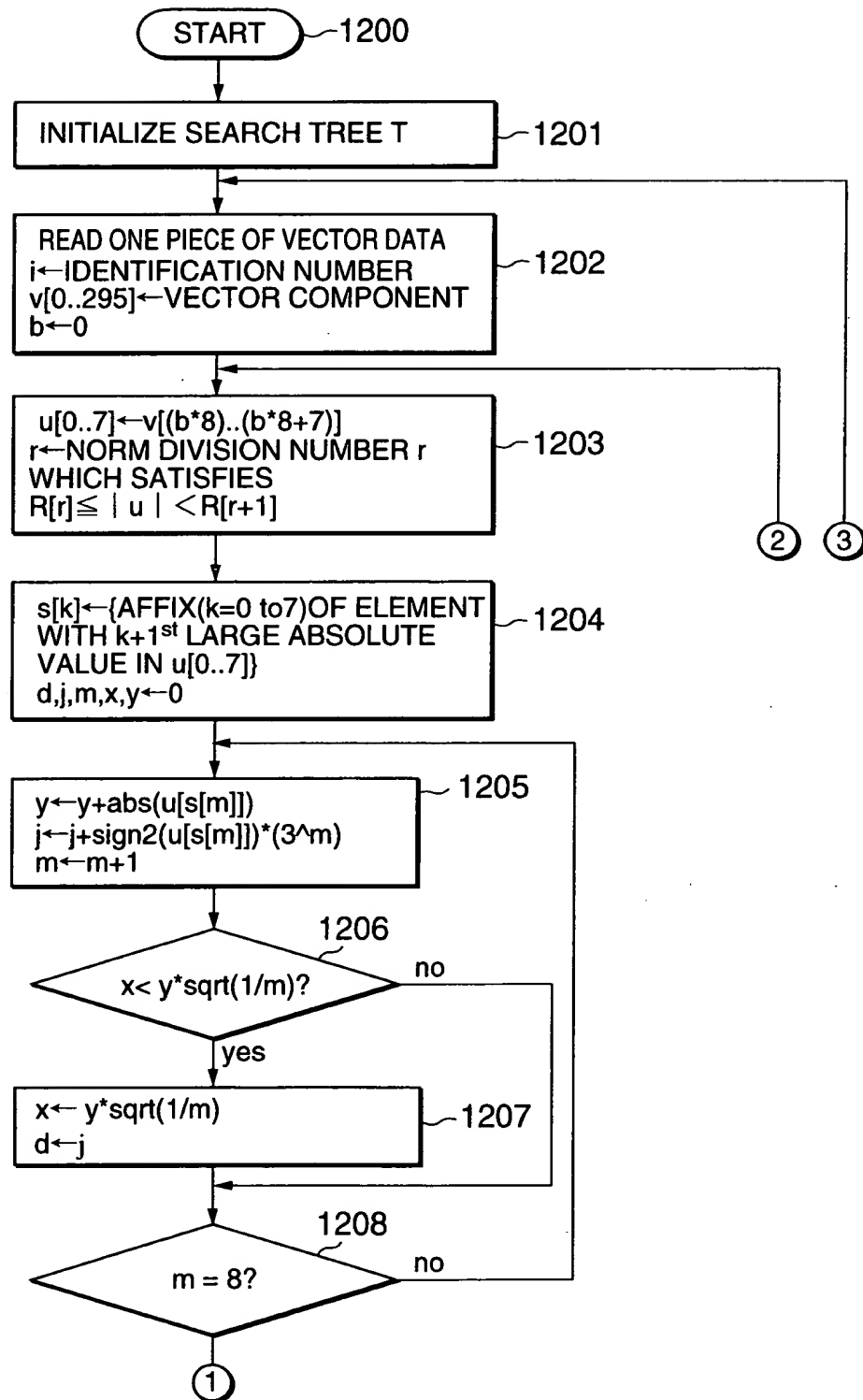


FIG.7B

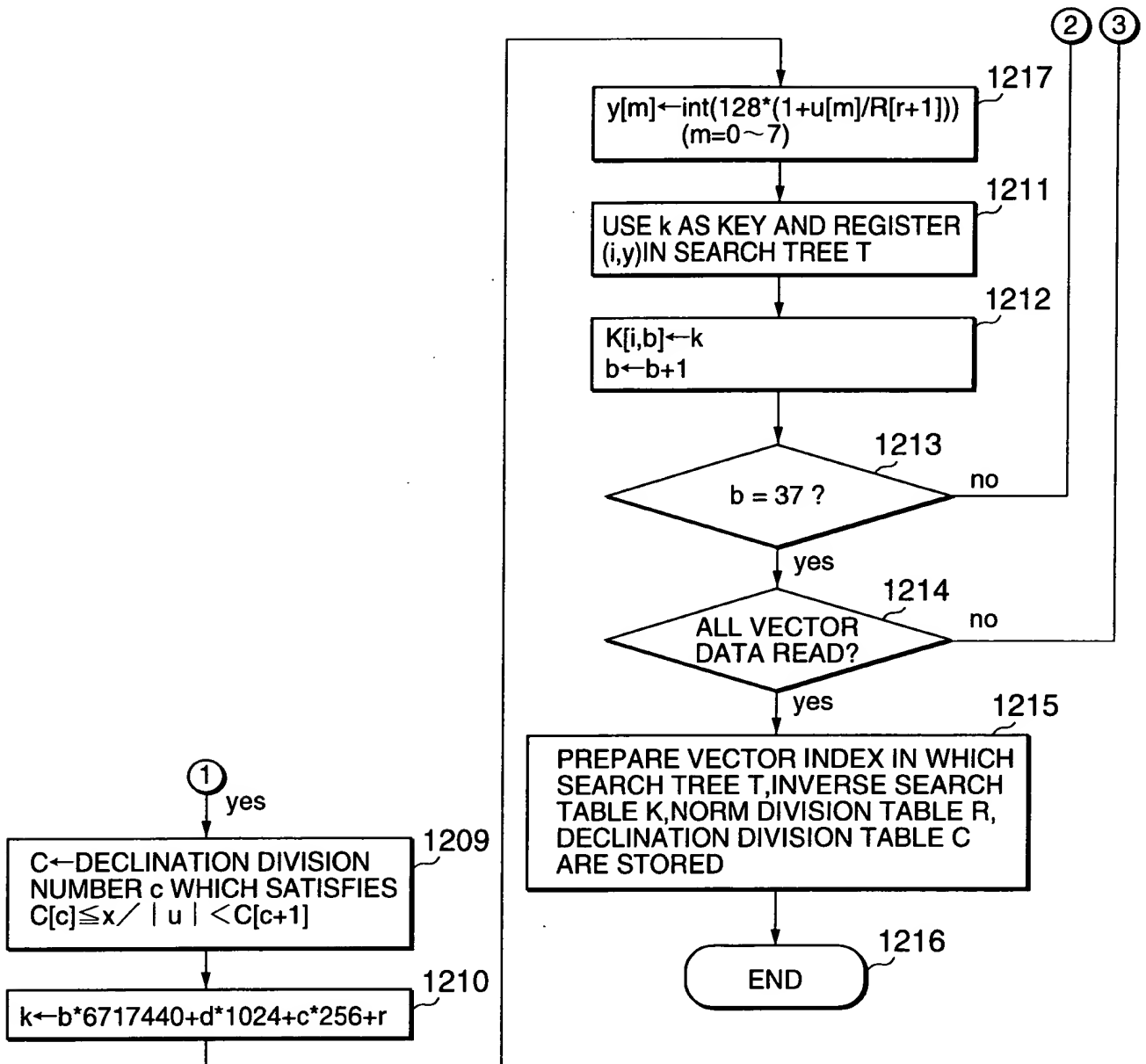
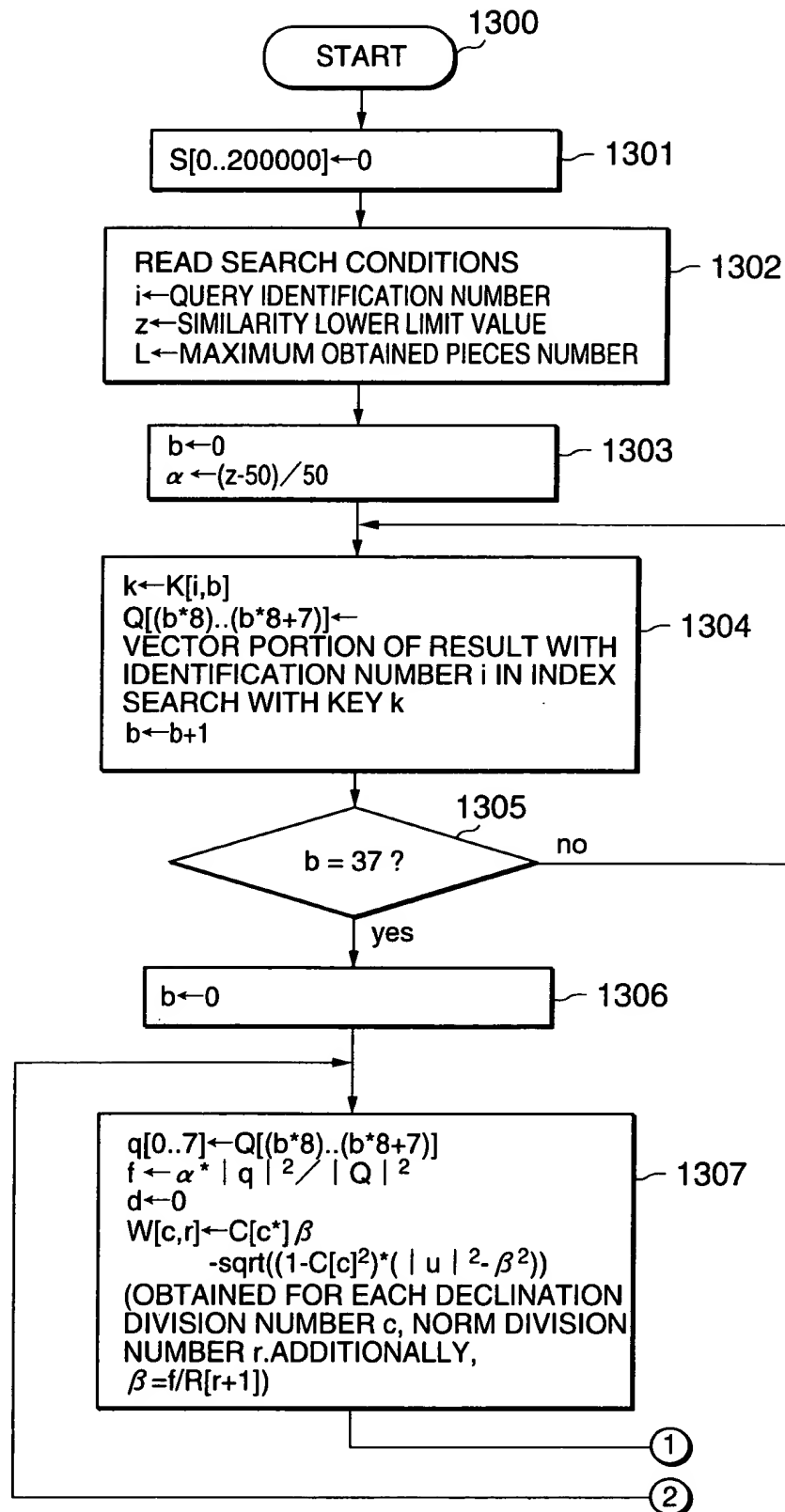


FIG.8A



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FIG.8B

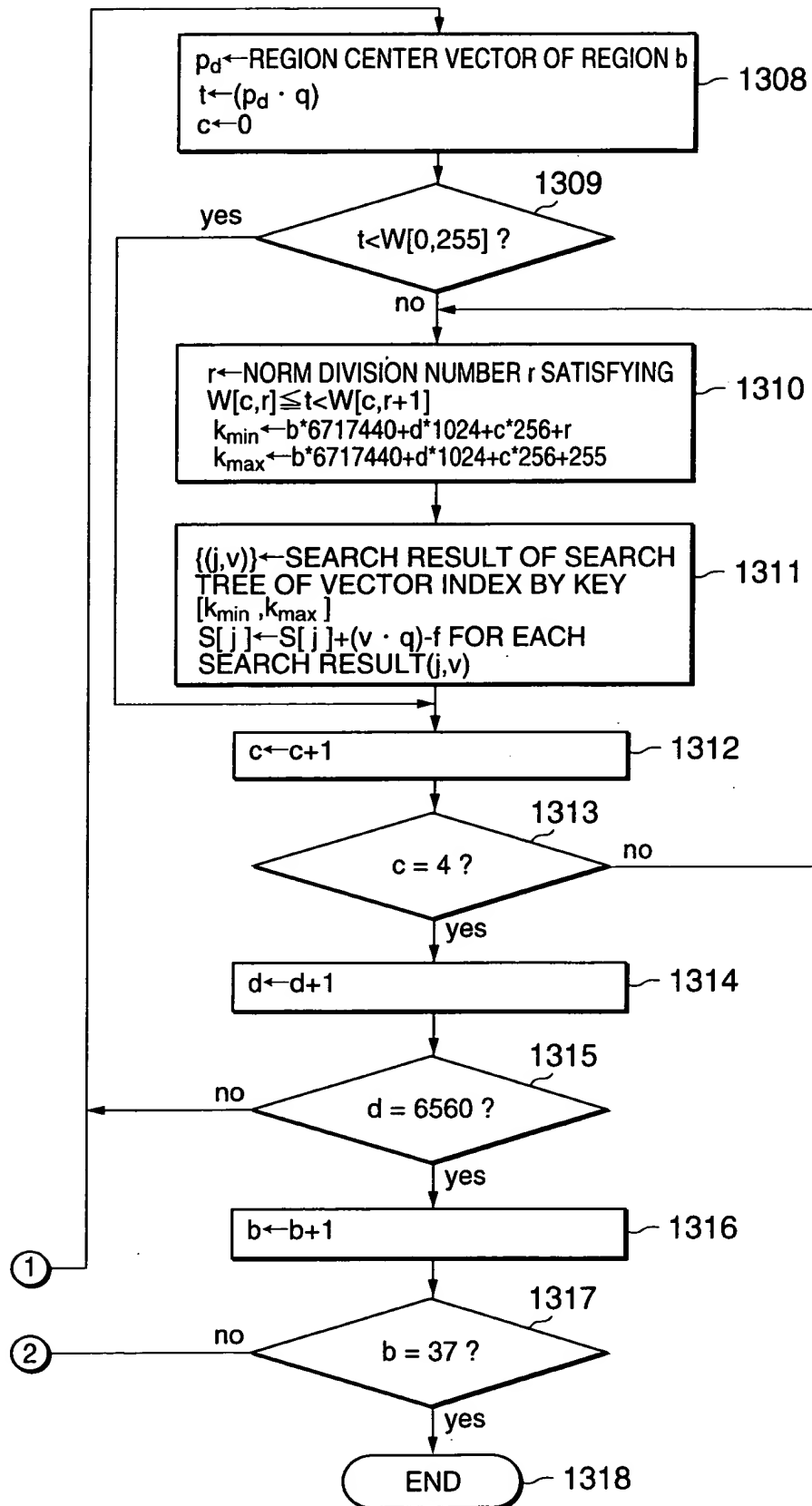


FIG.9

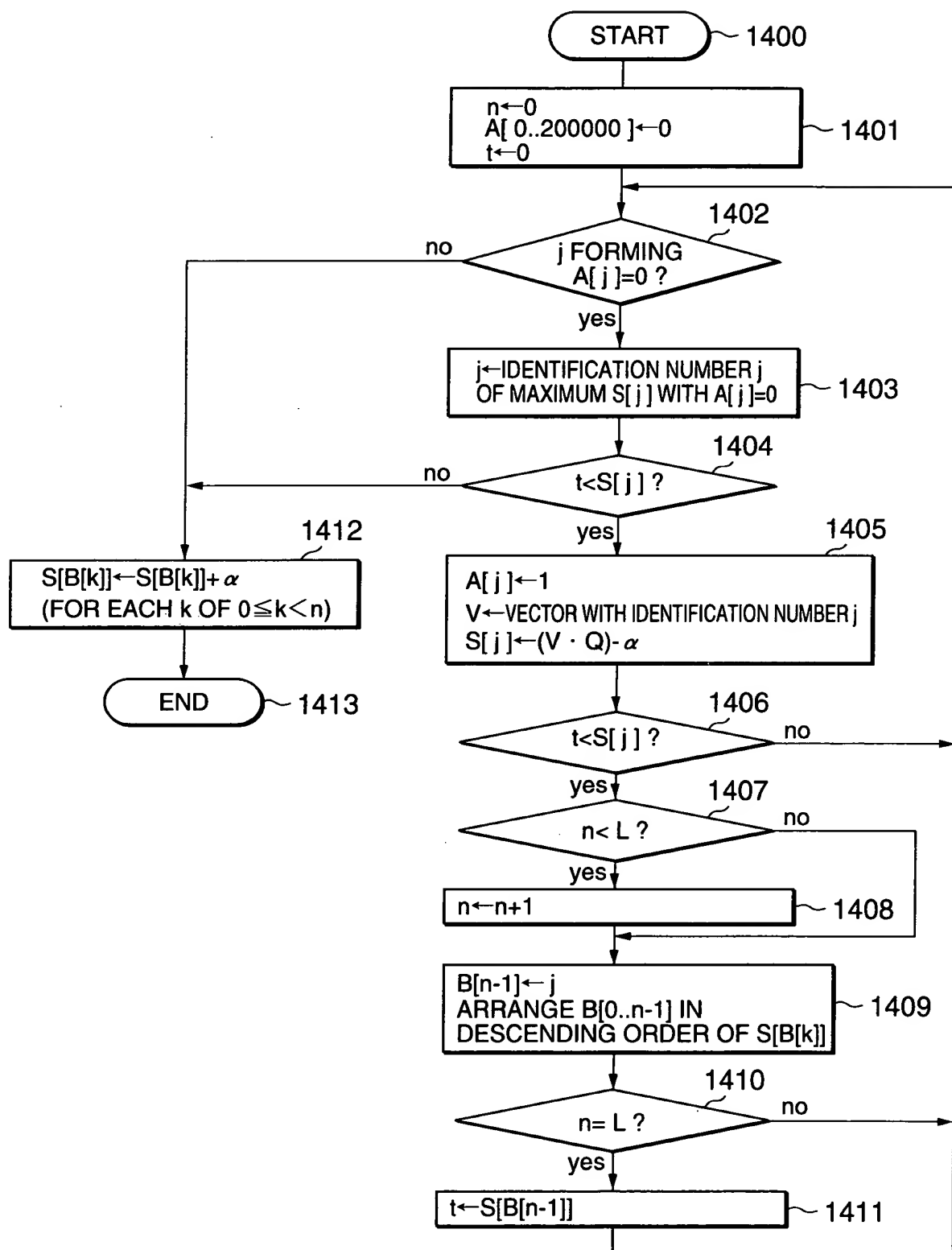


FIG. 10A

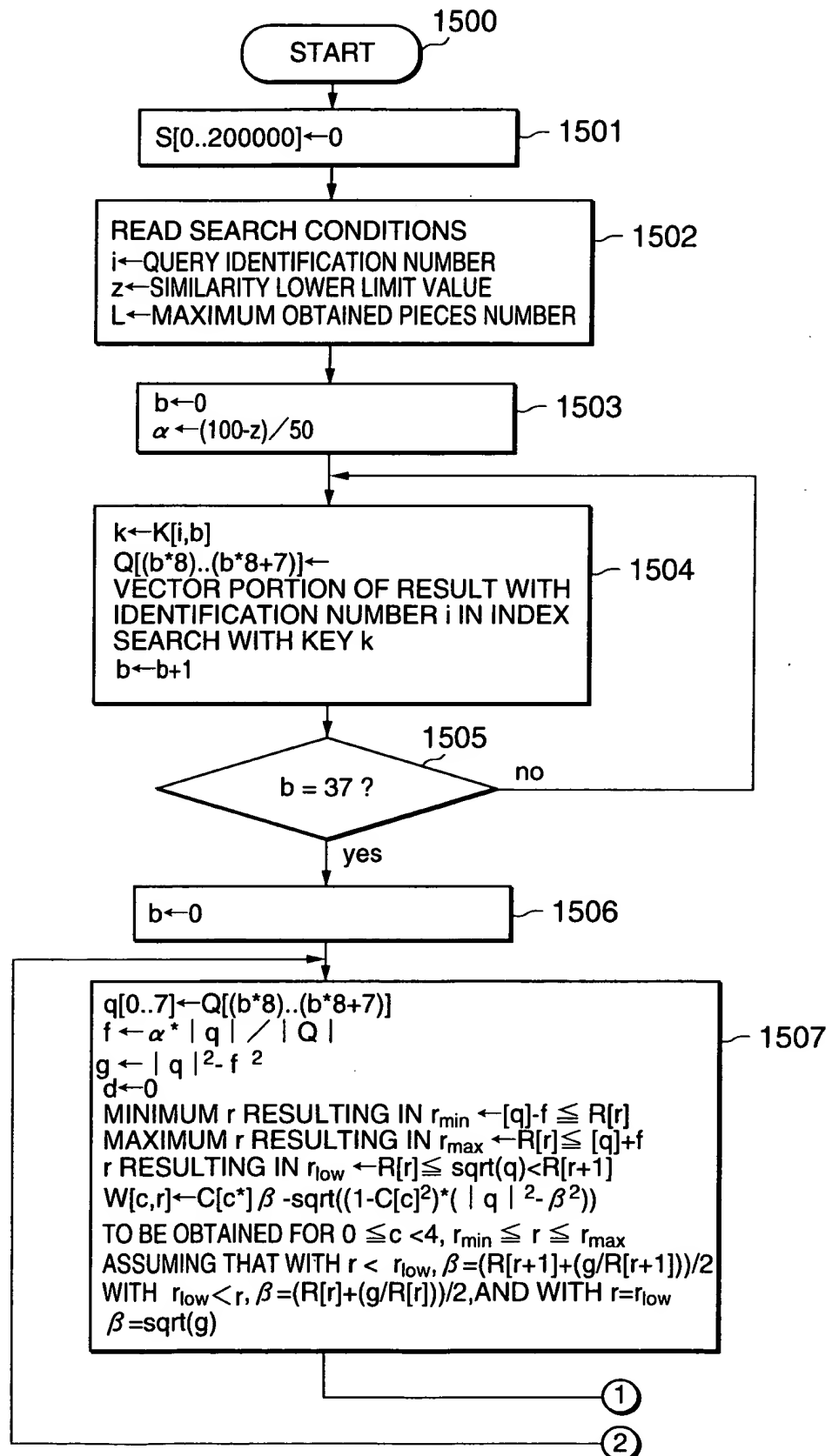


FIG. 10B

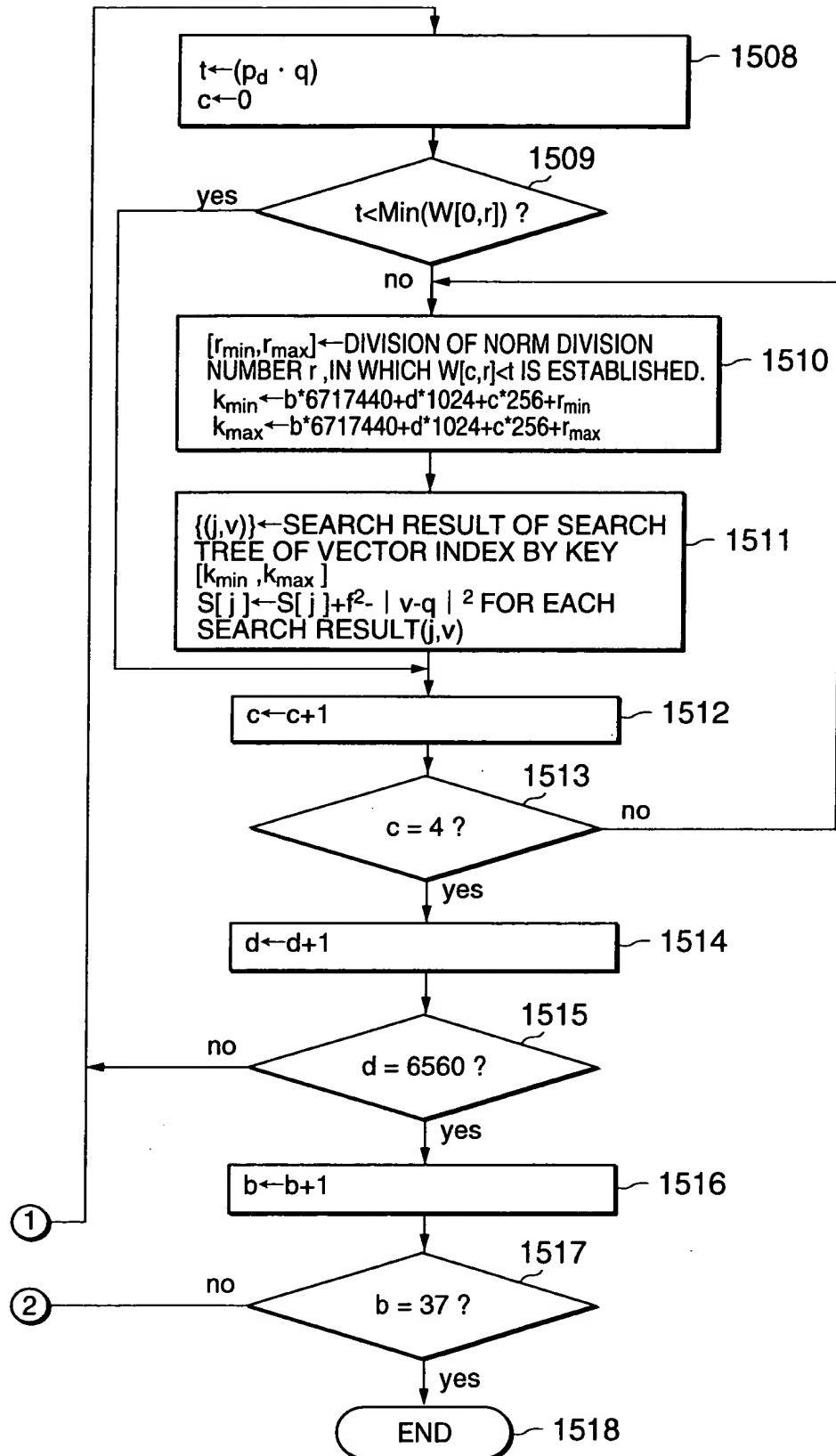


FIG.11A

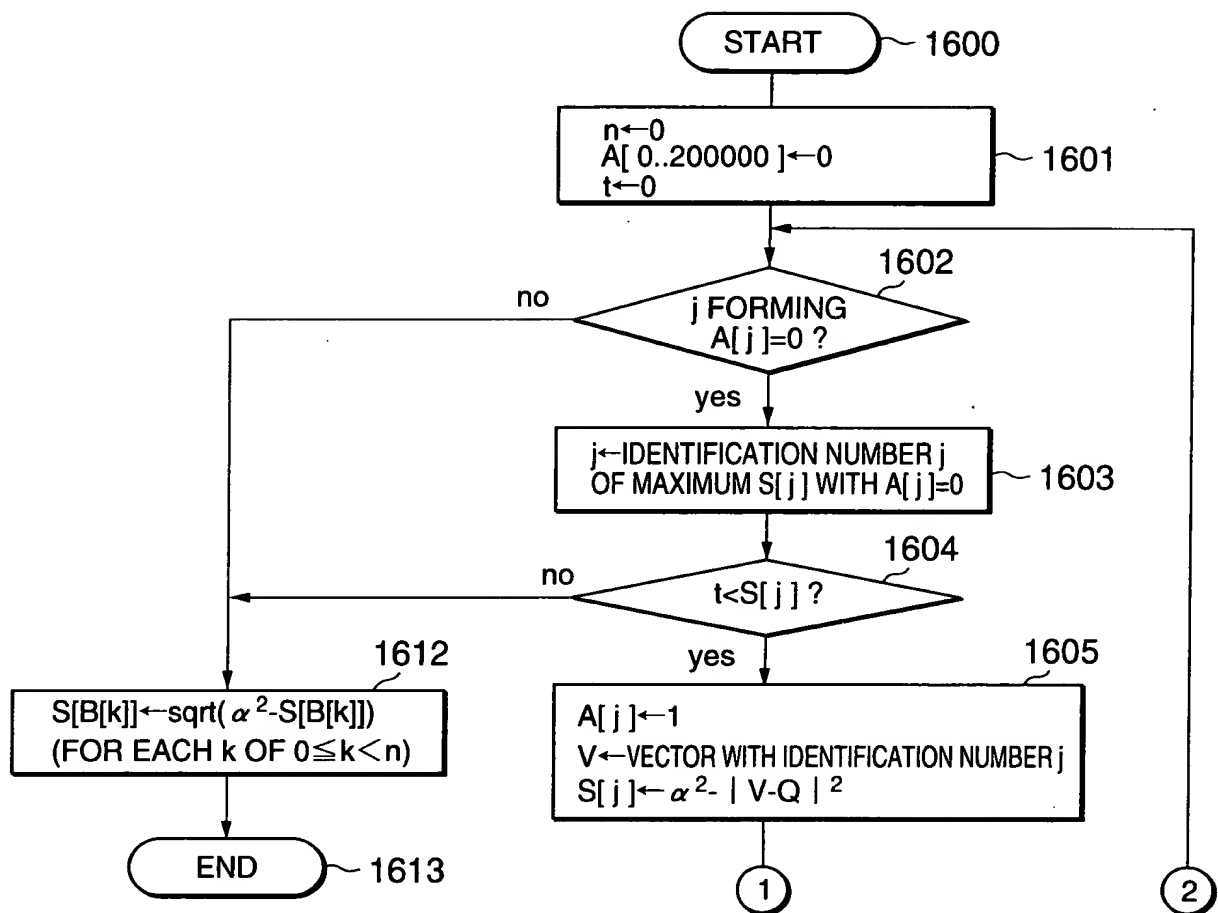


FIG.11B

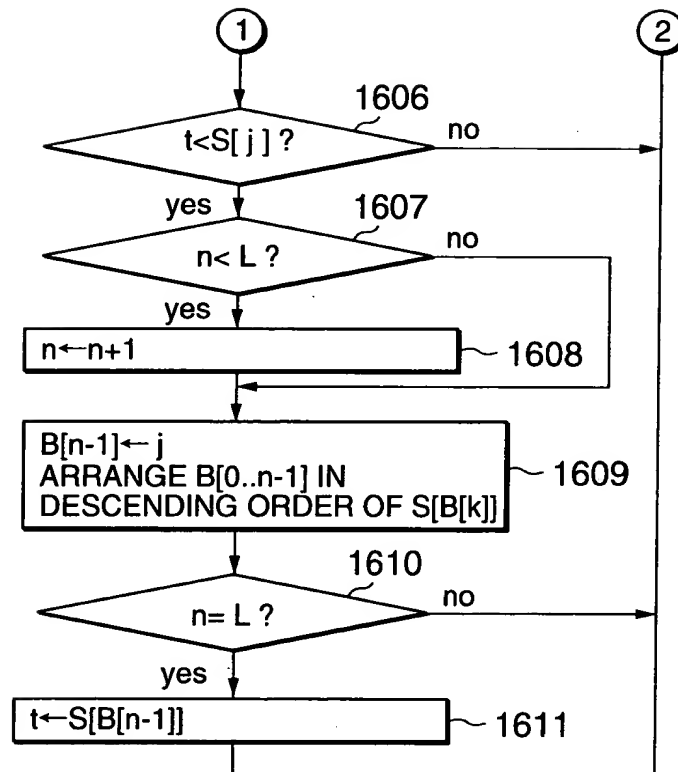


FIG. 12A

```

1 +0.029259 -0.016005 -0.021118 +0.024992 -0.006860 -0.009032 -0.007255 -0.007715 -0.025648 +0.016061
-0.060584 -0.013593 -0.020985 -0.112403 -0.012045 +0.04741 +0.026761 +0.078339 +0.048166 +0.043434
+0.100093 +0.009913 +0.085770 +0.101257 +0.072163 -0.066112 +0.059376 -0.020159 +0.051960 -0.129138
-0.028065 +0.027535 +0.028316 +0.050490 +0.015931 -0.040316 -0.013109 -0.014728 -0.004639 -0.021525
-0.000471 -0.033506 +0.013866 -0.054646 +0.067350 +0.042063 +0.041963 -0.006444 -0.092581 +0.004488
+0.004741 +0.009351 +0.038429 -0.042254 -0.027641 -0.068727 +0.037185 -0.003393 -0.040649 +0.013169
+0.020619 +0.025594 -0.019990 -0.117804 +0.005791 -0.027860 +0.000220 -0.038765 -0.029964 +0.020038
+0.032435 -0.027518 -0.063942 +0.085381 +0.038776 +0.051395 +0.004047 +0.092011 -0.076222 +0.096729
-0.018331 +0.115754 -0.038478 +0.131147 -0.074560 +0.080634 -0.186932 +0.024004 +0.047046 -0.075571
+0.121789 -0.055221 -0.001166 -0.053469 -0.086326 +0.011837 -0.060801 +0.222437 -0.055550 -0.117881
-0.020700 -0.028172 -0.121642 -0.160389 +0.147645 -0.037681 -0.057998 +0.104025 +0.251415 -0.029438
+0.030504 -0.048312 -0.072984 -0.088780 +0.041584 +0.127138 +0.061804 +0.064147 -0.016586 +0.024305
+0.060558 -0.004070 +0.094040 -0.011500 +0.000545 +0.083231 +0.016565 +0.081034 +0.073438 -0.006857
-0.008995 +0.023537 +0.066849 -0.035310 +0.005572 -0.015236 +0.109983 -0.185597 +0.016643 +0.032632
-0.075726 -0.110307 +0.038577 +0.038475 -0.042287 +0.082878 +0.035997 -0.009888 +0.081286 +0.063583
-0.041429 +0.025969 -0.040406 +0.005639 +0.032087 +0.007947 +0.041689 +0.040077 +0.067726 -0.101670
-0.091183 +0.167914 -0.080320 +0.049351 +0.069409 +0.063139 -0.038358 -0.126212 +0.058109 +0.031847
-0.014998 -0.022995 +0.054876 +0.033124 -0.065283 -0.058574 +0.049729 -0.046552 +0.042485 -0.006179
-0.058764 +0.079383 +0.000817 -0.001482 -0.036410 -0.036097 -0.045920 -0.001729 +0.039971 +0.083165
-0.023112 +0.014492 +0.028403 +0.047480 +0.038502 +0.028348 +0.055128 +0.045340 -0.066148 +0.018156
-0.008535 -0.042836 +0.006119 -0.037691 +0.018055 +0.035741 -0.023394 +0.012401 -0.070880 +0.010066
-0.013264 -0.031192 -0.064061 -0.026757 -0.028246 +0.078634 +0.013295 +0.011129 +0.028807 +0.012339
+0.007173 -0.008856 +0.040397 +0.039853 +0.085247 -0.053102 +0.052307 +0.065223 +0.116747 +0.013464
-0.004875 +0.019186 +0.024114 -0.056101 -0.024008 +0.061251 -0.043466 -0.017640 +0.081001 -0.014824
-0.003836 +0.059081 +0.051690 -0.032798 +0.039059 +0.020370 +0.015096 +0.051693 +0.015507 -0.041601
-0.000192 -0.065087 +0.018487 -0.040415 +0.036173 -0.011809 +0.010862 +0.005944 +0.028534 -0.031335
+0.023075 +0.033037 +0.063589 +0.014185 +0.006539 +0.002593 -0.023986 -0.038277 -0.009555 -0.018987
+0.052526 +0.035448 +0.013042 +0.023662 +0.011775 -0.055742 -0.008120 -0.040546 -0.023508 -0.069309
+0.037886 +0.041494 -0.038487 -0.035241 +0.020432 -0.008060 +0.002984 +0.070241 +0.069379 +0.020206
+0.032996 +0.047815 +0.046106 +0.001794 +0.035342 -0.003895

```

FIG. 12B

2 +0.028972 -0.012757 -0.015597 +0.019727 +0.009386 -0.016593 +0.003627 +0.006288 -0.019184 +0.020306
-0.057163 -0.017815 -0.026345 -0.102036 +0.002587 +0.037785 +0.029168 +0.076061 +0.043901 +0.040040
+0.123462 +0.001139 +0.085437 +0.108889 +0.052652 -0.048914 +0.060612 -0.005019 +0.030421 -0.153633
-0.041444 +0.038908 +0.006823 +0.069954 +0.028216 -0.043207 -0.030092 +0.013753 +0.023770 -0.018313
+0.008825 -0.036443 +0.001076 -0.067721 +0.046034 +0.030717 +0.017880 -0.036936 -0.093124 -0.000883
+0.027865 +0.007906 +0.005978 -0.024367 -0.012682 -0.054200 +0.025934 +0.000926 -0.047710 +0.009757
+0.005940 +0.020855 -0.070890 -0.113381 +0.004988 -0.033150 -0.000456 -0.024836 -0.007560 +0.025912
+0.009004 -0.053047 -0.079142 +0.085440 +0.027876 +0.051104 +0.016944 +0.082277 -0.071359 +0.107308
+0.005041 +0.112418 -0.009138 +0.119492 -0.069016 +0.123591 -0.166734 +0.032382 +0.005430 -0.030192
+0.116327 -0.077304 +0.003280 -0.006984 -0.055858 +0.022018 -0.110375 +0.197565 -0.038060 -0.085170
-0.065823 -0.021350 -0.104387 -0.147696 +0.111377 -0.028678 -0.097095 +0.064212 +0.255376 -0.011000
+0.020901 -0.032671 -0.092765 -0.063843 +0.008917 +0.106446 +0.070094 +0.078741 -0.012886 -0.003581
+0.069363 +0.021164 +0.046900 -0.021002 -0.008879 +0.052981 +0.006370 +0.081378 +0.054328 -0.006424
-0.006277 +0.013635 +0.117156 -0.037470 +0.014036 -0.048765 +0.093100 -0.147319 +0.028556 -0.017833
-0.070005 -0.123845 +0.013978 +0.006964 -0.047420 +0.100905 -0.019278 -0.009641 +0.057287 +0.058665
-0.063796 +0.019097 -0.045014 -0.036129 +0.022014 +0.071405 +0.028573 +0.046653 +0.063911 -0.048555
-0.070203 +0.205558 -0.051782 +0.102727 +0.042066 +0.028359 -0.021939 -0.082837 +0.064817 +0.017215
-0.042670 -0.031901 +0.037475 +0.055012 -0.012237 -0.067371 +0.072587 -0.009949 +0.053991 +0.019722
-0.035742 +0.081726 +0.019732 +0.013624 -0.031871 -0.009025 -0.064237 +0.002162 +0.014326 +0.103617
-0.048376 +0.034422 -0.019797 +0.041018 +0.089878 +0.072000 +0.030657 +0.040709 -0.071603 +0.005629

FIG. 13

EXAMPLE OF NORM DISTRIBUTION

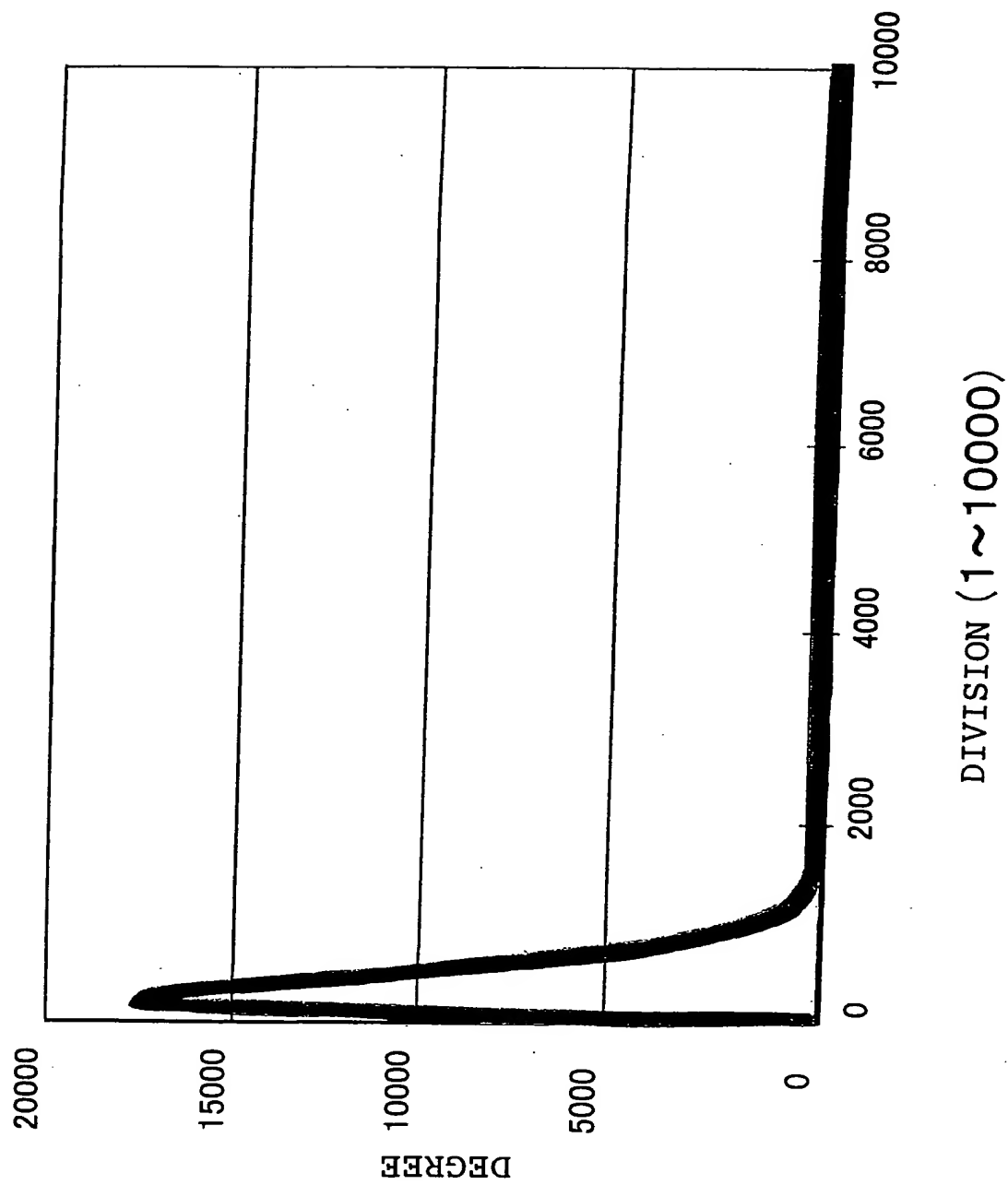


FIG. 14

EXAMPLE OF DECLINATION DISTRIBUTION

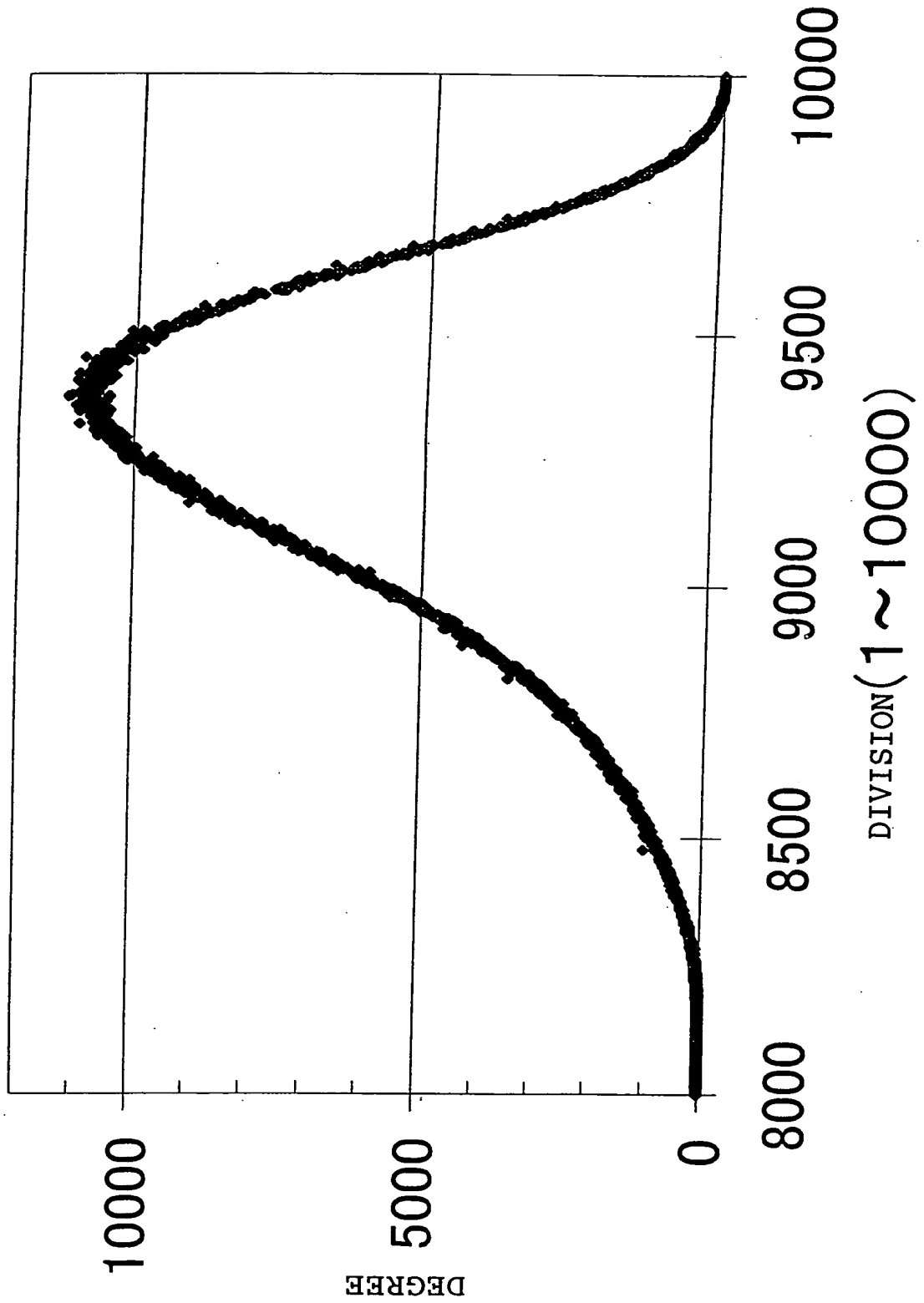


FIG. 15A

EXAMPLE OF NORM DIVISION TABLE (256 DIVISIONS)

	0	1	2	3	4	5	6	7	8	9
0	0.00000	0.03320	0.04112	0.04617	0.04999	0.05354	0.05687	0.05940	0.06182	0.06416
10	0.06585	0.06805	0.06965	0.07121	0.07275	0.07425	0.07572	0.07716	0.07858	0.07951
20	0.08088	0.08178	0.08312	0.08400	0.08530	0.08616	0.08701	0.08827	0.08910	0.08992
30	0.09073	0.09194	0.09273	0.09352	0.09431	0.09508	0.09585	0.09662	0.09737	0.09813
40	0.09887	0.09961	0.10035	0.10108	0.10180	0.10252	0.10324	0.10395	0.10465	0.10535
50	0.10605	0.10639	0.10708	0.10776	0.10844	0.10912	0.10979	0.11046	0.11079	0.11145
60	0.11211	0.11276	0.11309	0.11374	0.11438	0.11502	0.11566	0.11598	0.11661	0.11724
70	0.11786	0.11849	0.11879	0.11941	0.12003	0.12064	0.12094	0.12155	0.12215	0.12275
80	0.12305	0.12365	0.12424	0.12483	0.12542	0.12571	0.12629	0.12687	0.12745	0.12774
90	0.12831	0.12888	0.12945	0.13002	0.13030	0.13087	0.13143	0.13198	0.13254	0.13282
100	0.13337	0.13392	0.13447	0.13501	0.13556	0.13583	0.13637	0.13690	0.13744	0.13797
110	0.13851	0.13904	0.13956	0.13983	0.14035	0.14087	0.14139	0.14191	0.14243	0.14295
120	0.14346	0.14397	0.14448	0.14499	0.14549	0.14600	0.14650	0.14700	0.14750	0.14800

FIG. 15B

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130	0.14849	0.14899	0.14948	0.14997	0.15046	0.15095	0.15143	0.15192	0.15240	0.15288
140	0.15336	0.15408	0.15456	0.15503	0.15551	0.15598	0.15645	0.15715	0.15762	0.15808
150	0.15878	0.15924	0.15970	0.16016	0.16085	0.16131	0.16199	0.16244	0.16289	0.16357
160	0.16402	0.16469	0.16513	0.16580	0.16624	0.16690	0.16734	0.16800	0.16866	0.16909
170	0.16974	0.17039	0.17104	0.17147	0.17211	0.17275	0.17338	0.17402	0.17465	0.17507
180	0.17570	0.17633	0.17716	0.17778	0.17840	0.17902	0.17963	0.18024	0.18106	0.18166
190	0.18227	0.18308	0.18368	0.18447	0.18507	0.18586	0.18665	0.18724	0.18803	0.18881
200	0.18958	0.19036	0.19113	0.19190	0.19266	0.19342	0.19437	0.19512	0.19606	0.19681
210	0.19774	0.19867	0.19959	0.20051	0.20143	0.20252	0.20342	0.20450	0.20540	0.20647
220	0.20754	0.20860	0.20983	0.21087	0.21209	0.21330	0.21450	0.21587	0.21706	0.21858
230	0.21992	0.22142	0.22291	0.22438	0.22602	0.22780	0.22957	0.23148	0.23338	0.23557
240	0.23774	0.24005	0.24249	0.24520	0.24818	0.25142	0.25505	0.25919	0.26369	0.26921
250	0.27595	0.28434	0.29600	0.31512	0.35936	0.49100	0.85733			

FIG. 16

EXAMPLE OF DECLINATION
DIVISION TABLE
(4 DIVISIONS)

DIVISION NUMBER	DIVISION BOUNDARY
0	0.8274
1	0.9079
2	0.9301
3	0.9486
4	1.0000

0913930-0961650

FIG. 17A

DIVISION	0	1	2	3	4	5	6	7	8	9
b=0, c=0										
0	+9.9999	+0.03142	+0.01968	+0.01436	+0.01008	+0.00750	+0.00536	+0.00355	+0.00220	+0.00100
10	+0.00010	-0.00089	-0.00164	-0.00233	-0.00298	-0.00347	-0.00404	-0.00447	-0.00498	-0.00537
20	-0.00574	-0.00609	-0.00643	-0.00675	-0.00706	-0.00736	-0.00764	-0.00792	-0.00812	-0.00838
30	-0.00857	-0.00881	-0.00904	-0.00921	-0.00938	-0.00959	-0.00975	-0.00996	-0.01010	-0.01025
40	-0.01039	-0.01058	-0.01071	-0.01084	-0.01097	-0.01110	-0.01122	-0.01139	-0.01150	-0.01162
50	-0.01173	-0.01185	-0.01196	-0.01206	-0.01217	-0.01227	-0.01237	-0.01247	-0.01257	-0.01267
60	-0.01276	-0.01286	-0.01292	-0.01301	-0.01310	-0.01319	-0.01327	-0.01336	-0.01344	-0.01352
70	-0.01360	-0.01368	-0.01376	-0.01381	-0.01389	-0.01397	-0.01404	-0.01411	-0.01418	-0.01426
80	-0.01433	-0.01439	-0.01446	-0.01453	-0.01457	-0.01464	-0.01470	-0.01477	-0.01483	-0.01489
90	-0.01496	-0.01502	-0.01508	-0.01514	-0.01519	-0.01525	-0.01531	-0.01536	-0.01542	-0.01547
100	-0.01553	-0.01558	-0.01564	-0.01569	-0.01574	-0.01579	-0.01584	-0.01589	-0.01594	-0.01599
110	-0.01604	-0.01609	-0.01613	-0.01618	-0.01623	-0.01627	-0.01633	-0.01638	-0.01642	-0.01646
120	-0.01651	-0.01656	-0.01661	-0.01665	-0.01669	-0.01673	-0.01678	-0.01682	-0.01686	-0.01692
130	-0.01695	-0.01699	-0.01704	-0.01708	-0.01712	-0.01717	-0.01720	-0.01725	-0.01729	-0.01733
140	-0.01737	-0.01741	-0.01745	-0.01749	-0.01753	-0.01757	-0.01761	-0.01766	-0.01769	-0.01773
150	-0.01777	-0.01780	-0.01784	-0.01788	-0.01792	-0.01796	-0.01800	-0.01804	-0.01808	-0.01812
160	-0.01816	-0.01819	-0.01823	-0.01827	-0.01830	-0.01835	-0.01838	-0.01842	-0.01846	-0.01849
170	-0.01854	-0.01857	-0.01861	-0.01864	-0.01868	-0.01872	-0.01875	-0.01879	-0.01883	-0.01887
180	-0.01891	-0.01894	-0.01898	-0.01902	-0.01906	-0.01909	-0.01913	-0.01917	-0.01920	-0.01924
190	-0.01928	-0.01932	-0.01936	-0.01939	-0.01943	-0.01947	-0.01951	-0.01955	-0.01958	-0.01962
200	-0.01966	-0.01970	-0.01974	-0.01978	-0.01982	-0.01986	-0.01990	-0.01994	-0.01998	-0.02002
210	-0.02006	-0.02010	-0.02015	-0.02019	-0.02023	-0.02027	-0.02032	-0.02036	-0.02040	-0.02045
220	-0.02049	-0.02054	-0.02059	-0.02063	-0.02068	-0.02073	-0.02078	-0.02083	-0.02088	-0.02094
230	-0.02099	-0.02104	-0.02110	-0.02116	-0.02121	-0.02128	-0.02134	-0.02140	-0.02147	-0.02154
240	-0.02161	-0.02169	-0.02177	-0.02185	-0.02194	-0.02204	-0.02215	-0.02227	-0.02241	-0.02256
250	-0.02275	-0.02299	-0.02334	-0.02401	-0.02527					

FIG. 17B

b=0, c=3

0	+9.99999	+0.04126	+0.03220	+0.02771	+0.02395	+0.02162	+0.01966	+0.01798	+0.01672	+0.01559
10	+0.01473	+0.01378	+0.01306	+0.01239	+0.01176	+0.01129	+0.01073	+0.01030	+0.00980	+0.00942
20	+0.00905	+0.00871	+0.00837	+0.00805	+0.00774	+0.00744	+0.00715	+0.00688	+0.00668	+0.00642
30	+0.00623	+0.00598	+0.00575	+0.00558	+0.00541	+0.00519	+0.00503	+0.00482	+0.00467	+0.00452
40	+0.00438	+0.00419	+0.00405	+0.00392	+0.00378	+0.00365	+0.00353	+0.00336	+0.00324	+0.00312
50	+0.00300	+0.00289	+0.00278	+0.00267	+0.00256	+0.00245	+0.00235	+0.00224	+0.00214	+0.00204
60	+0.00194	+0.00185	+0.00178	+0.00169	+0.00160	+0.00151	+0.00142	+0.00133	+0.00124	+0.00116
70	+0.00107	+0.00099	+0.00091	+0.00085	+0.00077	+0.00070	+0.00062	+0.00054	+0.00047	+0.00039
80	+0.00032	+0.00025	+0.00018	+0.00010	+0.00006	-0.00001	-0.00008	-0.00015	-0.00021	-0.00028
90	-0.00034	-0.00040	-0.00047	-0.00053	-0.00059	-0.00065	-0.00071	-0.00077	-0.00083	-0.00089
100	-0.00094	-0.00100	-0.00106	-0.00111	-0.00117	-0.00122	-0.00127	-0.00133	-0.00138	-0.00143
110	-0.00148	-0.00153	-0.00158	-0.00163	-0.00168	-0.00173	-0.00179	-0.00184	-0.00189	-0.00193
120	-0.00198	-0.00204	-0.00208	-0.00213	-0.00217	-0.00221	-0.00227	-0.00231	-0.00236	-0.00241
130	-0.00245	-0.00249	-0.00255	-0.00259	-0.00263	-0.00268	-0.00272	-0.00277	-0.00281	-0.00286
140	-0.00289	-0.00294	-0.00298	-0.00303	-0.00306	-0.00311	-0.00316	-0.00320	-0.00324	-0.00328
150	-0.00333	-0.00336	-0.00340	-0.00345	-0.00349	-0.00353	-0.00357	-0.00361	-0.00366	-0.00370
160	-0.00374	-0.00378	-0.00382	-0.00386	-0.00389	-0.00394	-0.00398	-0.00402	-0.00406	-0.00410
170	-0.00414	-0.00418	-0.00423	-0.00426	-0.00430	-0.00434	-0.00438	-0.00442	-0.00446	-0.00451
180	-0.00455	-0.00458	-0.00463	-0.00467	-0.00470	-0.00474	-0.00478	-0.00483	-0.00486	-0.00491
190	-0.00494	-0.00499	-0.00503	-0.00507	-0.00511	-0.00515	-0.00519	-0.00523	-0.00527	-0.00532
200	-0.00536	-0.00540	-0.00544	-0.00548	-0.00553	-0.00557	-0.00562	-0.00566	-0.00571	-0.00575
210	-0.00579	-0.00584	-0.00589	-0.00593	-0.00598	-0.00602	-0.00607	-0.00612	-0.00617	-0.00622
220	-0.00627	-0.00632	-0.00637	-0.00642	-0.00647	-0.00653	-0.00658	-0.00663	-0.00669	-0.00675
230	-0.00680	-0.00686	-0.00692	-0.00699	-0.00705	-0.00712	-0.00719	-0.00726	-0.00733	-0.00741
240	-0.00749	-0.00757	-0.00766	-0.00775	-0.00786	-0.00797	-0.00808	-0.00821	-0.00837	-0.00854
250	-0.00875	-0.00901	-0.00941	-0.01015	-0.01157					

[illegible]

FIG. 18B

b=1, c=1

60	+9.99999	+9.99999	+9.99999	+0.11816	+0.11626	+0.11497	+0.11394	+0.11306	+0.11229	+0.11160
70	+0.11098	+0.11040	+0.10987	+0.10939	+0.10908	+0.10865	+0.10824	+0.10786	+0.10751	+0.10718
80	+0.10686	+0.10657	+0.10629	+0.10604	+0.10579	+0.10564	+0.10542	+0.10521	+0.10502	+0.10483
90	+0.10466	+0.10450	+0.10436	+0.10422	+0.10409	+0.10397	+0.10386	+0.10376	+0.10366	+0.10358
100	+0.10350	+0.10343	+0.10337	+0.10332	+0.10327	+0.10323	+0.10320	+0.10317	+0.10315	+0.10313
110	+0.10312	+0.10312	+0.10312	+0.10313	+0.10315	+0.10317	+0.10319	+0.10323	+0.10327	+0.10331
120	+0.10336	+0.10341	+0.10349	+0.10355	+0.10362	+0.10369	+0.10377	+0.10388	+0.10397	+0.10406
130	+0.10419	+0.10430	+0.10440	+0.10455	+0.10467	+0.10479	+0.10496	+0.10510	+0.10528	+0.10543
140	+0.10562	+0.10578	+0.10599	+0.10616	+0.10638	+0.10656	+0.10680	+0.10705	+0.10731	+0.10752
150	+0.10779	+0.10808	+0.10831	+0.10861	+0.10893	+0.10927	+0.10961	+0.10997	+0.11034	+0.11074
160	+0.11115	+0.11158	+0.11203	+0.11251	+0.11302	+0.11357	+0.11432	+0.11499	+0.11575	+0.11690
170	+0.11817	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999

FIG. 18C

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b=1, c=2

60	+9.99999	+9.99999	+9.99999	+0.12564	+0.12403	+0.12294	+0.12206	+0.12131	+0.12065	+0.12006
70	+0.11951	+0.11902	+0.11856	+0.11814	+0.11787	+0.11749	+0.11714	+0.11681	+0.11650	+0.11621
80	+0.11594	+0.11568	+0.11544	+0.11521	+0.11500	+0.11486	+0.11467	+0.11449	+0.11431	+0.11415
90	+0.11400	+0.11386	+0.11373	+0.11361	+0.11350	+0.11339	+0.11329	+0.11321	+0.11312	+0.11305
100	+0.11298	+0.11292	+0.11286	+0.11282	+0.11277	+0.11274	+0.11271	+0.11268	+0.11267	+0.11265
110	+0.11264	+0.11264	+0.11264	+0.11265	+0.11266	+0.11268	+0.11270	+0.11274	+0.11277	+0.11281
120	+0.11285	+0.11290	+0.11297	+0.11302	+0.11308	+0.11315	+0.11322	+0.11331	+0.11339	+0.11347
130	+0.11359	+0.11368	+0.11377	+0.11391	+0.11401	+0.11412	+0.11427	+0.11439	+0.11455	+0.11467
140	+0.11485	+0.11498	+0.11517	+0.11532	+0.11552	+0.11567	+0.11588	+0.11610	+0.11633	+0.11651
150	+0.11675	+0.11700	+0.11720	+0.11747	+0.11774	+0.11803	+0.11833	+0.11864	+0.11897	+0.11931
160	+0.11966	+0.12003	+0.12043	+0.12084	+0.12128	+0.12175	+0.12239	+0.12296	+0.12361	+0.12458
170	+0.12564	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999	+9.99999